

Reply to reviewers' comments:

Reviewer 1:

the author summarized the mechanism of liver regeneration. This is a nice review, and very helpful for the authors to get a better understanding of the whole picture of liver regeneration. however, as a minireview, it is too long. there is few comments for the author.

1. please add a short summary sentence or paragraph at the beginning and the end of each part for a better understanding

Thank you for your suggestions, we have added a sentence/ statement at the start and the end of each section for the ease of understanding.

2. the author listed a lot molecular and signal pathway. i thing a table (or maybe pic) should be added for each part

We have now added extra figure to summarise i) potential molecular pathway that affect biliary regeneration. ii) molecular pathways that summarise hepatocyte regeneration in vitro and in vivo. iii) figure summarising different strategies to promote liver regeneration.

3. the last part, the author mentioned liver cancer. but it is not closely related to the topic. better removed

Thank you for your comment, we have removed the liver cancer section.

Reviewer 2:

This review on stem cell of liver is comprehensive and well-written. However, this reviewer notices many erroneous grammars especially in the first 6 pages.English should be reviewed.

Thanks for the reviewer's critique, we have corrected our grammer mistakes and improved the flow of the article.

Page 5,line from 15 to 22. this part is not related to the core of scientifics of this manuscript, so may be deleted.

Thank you very much for your input, we have deleted line 15 to 22 on page 5.